

WEST

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Database: 

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Search: 

L24

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Search History

DATE: Thursday, September 25, 2003   [Printable Copy](#)   [Create Case](#)

**Set Name Query**

side by side

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result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR*

<u>L24</u>	L21 & L19	0	<u>L24</u>
<u>L23</u>	L21 & L15	1	<u>L23</u>
✕ <u>L22</u>	L21 & L12	6	<u>L22</u> —
<u>L21</u>	well\$1 WITH reflect\$3 SAME (chromophor\$6 or chromogenic\$4)	50	<u>L21</u>
<u>L20</u>	L19 & L1	1	<u>L20</u>
<u>L19</u>	L5 & L6	940	<u>L19</u>
<u>L18</u>	L15 & L8	1	<u>L18</u>
<u>L17</u>	L15 & L2	1	<u>L17</u>
<u>L16</u>	L15 & L3	1	<u>L16</u>
<u>L15</u>	L4 & L12	15	<u>L15</u>
<u>L14</u>	L8 & L12	1	<u>L14</u>
<u>L13</u>	L2 & L3 & L4	1	<u>L13</u>
<u>L12</u>	L1 & L5	395	<u>L12</u>
<u>L11</u>	L8 & L6	4	<u>L11</u>
<u>L10</u>	L7 & L6	8	<u>L10</u>
<u>L9</u>	L8 & L7 & L6	0	<u>L9</u>
<u>L8</u>	microlens\$2 SAME diffract\$3 SAME (mirror\$1 or micromirror\$1)	106	<u>L8</u>
<u>L7</u>	transfer\$4 WITH function\$1 SAME grating\$1	327	<u>L7</u>
<u>L6</u>	(mirror\$1 or reflect\$4) SAME cavit\$3 WITH Fabry-Perot	1447	<u>L6</u>
<u>L5</u>	(cavit\$3 or excit\$5) SAME (resona\$4 or antinode\$1)	56338	<u>L5</u>
<u>L4</u>	(mirror\$1 or reflect\$4) SAME (dielectric\$4 or wavelength\$1) SAME (chromophor\$6 or chromogenic\$4)	284	<u>L4</u>
<u>L3</u>	microscop\$2 SAME (sens\$3 or photodetect\$3) SAME (photon\$2 or chromophor\$6)	181	<u>L3</u>
<u>L2</u>	(chromogenic\$4 or chromophor\$6) SAME polypeptide\$1 SAME (biological\$2 or biochemical\$2)	192	<u>L2</u>
<u>L1</u>	(chromogenic\$4 or chromophor\$6) SAME (signal\$1 or molecu\$2)	8814	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: US 20020126713 A1

L20: Entry 1 of 1

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020126713

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020126713 A1

TITLE: Dielectric waveguide with transverse index variation that support a zero group velocity mode at a non-zero longitudinal wavevector

PUBLICATION-DATE: September 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ibanescu, Mihai	Piatra Neamt	MA	RO	
Joannopoulos, John D.	Belmont	MA	US	
Fink, Yoel	Cambridge	IL	US	
Johnson, Steven G.	St. Charles	CA	US	
Fan, Shanhui	Palo Alto		US	

US-CL-CURRENT: 372/6; 372/70

Full	Title	CIT.1	DEV.1	CLS.1	REF.1	SEQ.1	ATT.1
RAW.1							

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L19 &amp; L1

1

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**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: US 20020182716 A1

L23: Entry 1 of 1

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182716

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020182716 A1

TITLE: Support for chromophoric elements

PUBLICATION-DATE: December 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Weisbuch, Claude	Paris		FR	
Benisty, Henri	Palaiseau		FR	

US-CL-CURRENT: 435/287.2; 313/483

Full	Title	CIT.1	REV.1	CLS.1	REF.1	SEQ.1	ATT.1
RAW.1							

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L21 & L15	1

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 6 of 6 returned.**☐ 1. Document ID: US 20020182716 A1

L22: Entry 1 of 6

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182716

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020182716 A1

TITLE: Support for chromophoric elements

PUBLICATION-DATE: December 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Weisbuch, Claude	Paris		FR	
Benisty, Henri	Palaiseau		FR	

US-CL-CURRENT: [435/287.2](#); [313/483](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
<a href="#">Draw</a>	<a href="#">Desc</a>	<a href="#">Image</a>									

☐ 2. Document ID: US 20020081055 A1

L22: Entry 2 of 6

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020081055

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020081055 A1

TITLE: Resonant optical modulators

PUBLICATION-DATE: June 27, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Painter, Oskar J.	Pasadena	CA	US	
Sercel, Peter C.	Pasadena	CA	US	
Vahala, Kerry J.	San Gabriel	CA	US	
Vernooy, David W.	Sierra Madre	CA	US	
Hunziker, Guido	Altadena	CA	US	

US-CL-CURRENT: [385/2](#); [385/1](#), [385/43](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
<a href="#">Draw</a>	<a href="#">Desc</a>	<a href="#">Image</a>									

☐ 3. Document ID: US 6107099 A

L22: Entry 3 of 6

File: USPT

Aug 22, 2000

US-PAT-NO: 6107099

DOCUMENT-IDENTIFIER: US 6107099 A

TITLE: Hydrophobic fluorescent polymer membrane for the detection of ammonia

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 4. Document ID: US 6013529 A

L22: Entry 4 of 6

File: USPT

Jan 11, 2000

US-PAT-NO: 6013529

DOCUMENT-IDENTIFIER: US 6013529 A

TITLE: Hydrophobic fluorescent polymer membrane for the detection of ammonia

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 5. Document ID: US 5958786 A

L22: Entry 5 of 6

File: USPT

Sep 28, 1999

US-PAT-NO: 5958786

DOCUMENT-IDENTIFIER: US 5958786 A

TITLE: Fluorescent polymeric sensor for the detection of creatinine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 6. Document ID: US 5945343 A

L22: Entry 6 of 6

File: USPT

Aug 31, 1999

US-PAT-NO: 5945343

DOCUMENT-IDENTIFIER: US 5945343 A

TITLE: Fluorescent polymeric sensor for the detection of urea

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 5627847 A

L11: Entry 1 of 4

File: USPT

May 6, 1997

US-PAT-NO: 5627847

DOCUMENT-IDENTIFIER: US 5627847 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Distortion-compensated phase grating and mode-selecting mirror for a laser

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 2. Document ID: US 5550373 A

L11: Entry 2 of 4

File: USPT

Aug 27, 1996

US-PAT-NO: 5550373

DOCUMENT-IDENTIFIER: US 5550373 A

TITLE: Fabry-Perot micro filter-detector

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 3. Document ID: US 4935939 A

L11: Entry 3 of 4

File: USPT

Jun 19, 1990

US-PAT-NO: 4935939

DOCUMENT-IDENTIFIER: US 4935939 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Surface emitting laser with monolithic integrated lens

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 4. Document ID: DE 69530225 E WO 9621140 A1 US 5550373 A EP 800643 A1 JP 10511772 W EP 800643 B1

L11: Entry 4 of 4

File: DWPI

May 8, 2003

DERWENT-ACC-NO: 1996-334086

DERWENT-WEEK: 200338



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TITLE: Fabry-Perot micro infrared filter-detector for spectroscopic imaging - comprises encapsulated tunable filter and detector, with microlenses machined, and Fabry-Perot cavity integrated, into silicon wafer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
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**Search Results - Record(s) 1 through 8 of 8 returned.**☐ 1. Document ID: US 20030179799 A1

L10: Entry 1 of 8

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030179799

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030179799 A1

TITLE: External cavity laser

PUBLICATION-DATE: September 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chiaretti, Guido	Novate Milanese		IT	

US-CL-CURRENT: 372/92

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc	Image								

KMC

☐ 2. Document ID: US 20030020926 A1

L10: Entry 2 of 8

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030020926

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030020926 A1

TITLE: Tunable band pass optical filter unit with a tunable band pass interferometer

PUBLICATION-DATE: January 30, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Miron, Nicolae	Pierrefonds		CA	

US-CL-CURRENT: 356/519

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc	Image								

KMC

☐ 3. Document ID: US H001813 H

L10: Entry 3 of 8

File: USPT

Nov 2, 1999

US-PAT-NO: H001813

DOCUMENT-IDENTIFIER: US H001813 H

TITLE: Spectrally-selective fiber transmission filter system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 4. Document ID: US 5903691 A

L10: Entry 4 of 8

File: USPT

May 11, 1999

US-PAT-NO: 5903691

DOCUMENT-IDENTIFIER: US 5903691 A

TITLE: Optical-loop signal processing using reflection mechanisms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 5. Document ID: US 5896476 A

L10: Entry 5 of 8

File: USPT

Apr 20, 1999

US-PAT-NO: 5896476

DOCUMENT-IDENTIFIER: US 5896476 A

TITLE: Optical loop signal processing using reflection mechanisms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 6. Document ID: US 5892869 A

L10: Entry 6 of 8

File: USPT

Apr 6, 1999

US-PAT-NO: 5892869

DOCUMENT-IDENTIFIER: US 5892869 A

TITLE: Optical-loop signal processing using reflection mechanisms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 7. Document ID: US 5838851 A

L10: Entry 7 of 8

File: USPT

Nov 17, 1998

US-PAT-NO: 5838851

DOCUMENT-IDENTIFIER: US 5838851 A

TITLE: Optical-loop signal processing using reflection mechanisms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 8. Document ID: US 5724371 A

L10: Entry 8 of 8

File: USPT

Mar 3, 1998

US-PAT-NO: 5724371

DOCUMENT-IDENTIFIER: US 5724371 A

TITLE: Photoinscribed bragg grating sensor with a good signal-to-noise ratio

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC

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